



## Annual Report Form For Individual NPDES Permits For Municipal Separate Storm Sewer Systems (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by email to the NPDES Stormwater Program Administrator or to the MS4 coordinator (<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>). Files larger than 10MB may be placed on the FTP site at: [ftp://ftp.dep.state.fl.us/pub/NPDES\\_Stormwater/](ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/). After uploading files, email the MS4 coordinator or NPDES Program Administrator to notify them the report is ready for downloading; or by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- Please print or type information in the appropriate areas below.

**Submit the form and attachments to:**  
 Florida Department of Environmental Protection  
 Mail Station 3585  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION	
<b>A.</b>	Permittee Name: Town of Juno Beach
<b>B.</b>	Permit Name: Palm Beach County MS4
<b>C.</b>	Permit Number: FLS000018-004
<b>D.</b>	Annual Report Year: <input type="checkbox"/> Year 1 <input checked="" type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
<b>E.</b>	Reporting Time Period (month/year): 10 / 2017 through 09 / 2018
<b>F.</b>	Name of the Responsible Authority: Joseph F. Lo Bello
	Title: Town Manager
	Mailing Address: 340 Ocean Drive
	City: Juno Beach      Zip Code: 33408      County: Palm Beach
	Telephone Number: 561-626-1122      Fax Number: 561-656-0311
E-mail Address: jlobello@juno-beach.fl.us	
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Anthony R. Meriano
	Title: Director of Public Works
	Department: Public Works
	Mailing Address: 340 Ocean Drive
	City: Juno Beach      Zip Code: 33408      County: Palm Beach
Telephone Number: 561-626-1122      Fax Number: 561-626-0311	
E-mail Address: ameriano@juno-beach.fl.us	

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)	
<b>A.</b>	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>B.</b>	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>C.</b>	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

**SECTION III. PART V.B. ASSESSMENT PROGRAM**

<b>A.</b>	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Current approval of the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit). Individual Assessment Plan was submitted in September 2017.</p> <p>Status: The Group Monitoring Report is included in the Cycle 4 Joint Annual Report. Our individual Assessment Plan was approved January 9, 2019.</p>
<b>B.</b>	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p>Please refer to the Cycle 4, Year 2 Joint Annual Report for a summary of the Group's water quality monitoring results for the reporting period. Refer to the Cycle 3, Year 6 Joint Annual Report for proposed pollutant loading analysis changes. Since the Assessment Plan for the Town was not approved during the current reporting period the program will be implemented during the next reporting period. Note that in any future reporting year, the Group's water quality monitoring data for the reporting period may not be available for 4 to 6 months after the reporting period has ended. Consequently, any water quality data from the Group Program that is used as part of an individual permittee's Assessment Plan for the reporting period, will be based on the previous year's data.</p>
<b>C.</b>	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p>See response for Section IIIB above</p>

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$39,830
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$77,434
<b>C.</b>	<p>Did the current reporting year resources decrease from the previous year? Y <input checked="" type="checkbox"/> / N <input type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP. No Storm water system repairs or improvements were recorded during this reporting period One person decrease in storm water staffing due to retirement thus reducing resources expended No impact on implementation on the SWMP</p>

**SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM**

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	Code Review
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> <li>The monitoring plan (with revisions, if applicable).</li> <li>If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.</li> </ul>	Part V.B.3 Part V.A.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

**DO NOT SUBMIT ANY OTHER MATERIALS**  
(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

**SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE**

*The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Joseph F. Lo Bello

Title: Town Manager

Signature:  Date: 3/25/2019

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

A.	B.	C.	D.	E.	F.																																																																	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments																																																																	
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation																																																																					
	Report the current known inventory. Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. <i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i>																																																																					
	<p style="text-align: center;"><b>Type of Structure</b></p> <p>Exfiltration trench / French drains (lf) Grass treatment swales (miles) Wet detention systems Major outfalls Weirs or other control structures pipes / culverts (miles) Inlets / catch basins / grates Ditches / conveyance swales (miles)</p>	<table border="1"> <thead> <tr> <th>Number of Structures</th> <th>Number of Inspections</th> <th>Percent Inspected</th> <th>Number of Maintenance Activities</th> <th>Percent Maintained</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>2</td> <td>100</td> <td>4</td> <td>100</td> </tr> <tr> <td>2</td> <td>12</td> <td>100</td> <td>4</td> <td>100</td> </tr> <tr> <td>1</td> <td>4</td> <td>100</td> <td>2</td> <td>100</td> </tr> <tr> <td>1</td> <td>4</td> <td>100</td> <td>1</td> <td>100</td> </tr> <tr> <td>1</td> <td>4</td> <td>100</td> <td>1</td> <td>100</td> </tr> <tr> <td>1.2</td> <td>4</td> <td>50</td> <td>2</td> <td>25</td> </tr> <tr> <td>125</td> <td>256</td> <td>100</td> <td>2</td> <td>100</td> </tr> <tr> <td>.5</td> <td>24</td> <td>100</td> <td>2</td> <td>100</td> </tr> </tbody> </table>	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained	1000	2	100	4	100	2	12	100	4	100	1	4	100	2	100	1	4	100	1	100	1	4	100	1	100	1.2	4	50	2	25	125	256	100	2	100	.5	24	100	2	100	<table border="1"> <thead> <tr> <th>Inspection Form</th> </tr> </thead> <tbody> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> </tbody> </table>	Inspection Form	DPW	DPW	DPW	DPW	DPW	DPW	DPW	DPW	DPW	<table border="1"> <thead> <tr> <th>2x Annual</th> </tr> </thead> <tbody> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> <tr> <td>DPW</td> </tr> </tbody> </table>	2x Annual	DPW	DPW	DPW	DPW	DPW	DPW	DPW	DPW	DPW	
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	<p>If the minimum inspection frequencies set forth in Table II.A.1.a. were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.</p>	<input type="checkbox"/>																																																																				

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments				
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <b>Strengths: Structural Controls inspected and maintained on regular basis</b> <b>Limitations: None</b> <b>SWMP revisions implemented to address limitations: None necessary</b>								
Part III.A.2	<b>Areas of New Development and Significant Redevelopment</b>  Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.  <table border="1" data-bbox="526 711 574 911"> <tr> <td>Number of significant development projects reviewed</td> <td>0</td> </tr> <tr> <td>Number of significant development projects approved</td> <td>0</td> </tr> </table> Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.  Year 2 ONLY: Attach the summary report of the review activity <input checked="" type="checkbox"/> Year 4 ONLY: Attach the follow-up report on plan implementation <input type="checkbox"/>  Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <b>Strengths: n/a, No significant development this period</b> <b>Limitations: None</b> <b>SWMP revisions implemented to address limitations: n/a</b>	Number of significant development projects reviewed	0	Number of significant development projects approved	0	N/A N/A			Code Review
Number of significant development projects reviewed	0								
Number of significant development projects approved	0								
Part III.A.2 Summary	<b>Roadways</b>  Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected.  <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>	2x 1800 14.0 0 0 0	Sign In sheets Route Slips Weight Slips	Volunteers/DPW Volunteers/DPW Solid Waste Authority	DPW Records DPW Records DPW Records n/a n/a n/a				
Part III.A.3	<b>Trash Pick-up Events: Total miles cleaned</b> <b>Adopt-A-Road: Total miles cleaned</b> <b>Adopt-A-Road: Estimated amount of litter collected (cy)</b>	2.6 1.8 0.5 >1	Sign in sheets Weight Slip Signage Weight Slip	Volunteers/DPW Volunteers/DPW Private company Private Company	DPW Records DPW Records None None				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p>Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.</p>				
	<p><b>Frequency of street sweeping</b></p> <p>Total miles swept</p>	4X Annual	Invoice	Facilities ProSweep	DPW Records
	Estimated quantity of sweeping material collected (cy / tons)	16.0	Invoice	Facilities ProSweep	DPW Records
	Total phosphorous loadings removed (pounds)	14CY	Invoice	Facilities ProSweep	DPW Records
	Total nitrogen loadings removed (pounds)	12	FSA Worksheet	Public Works	FSA Calculator
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.	18	FSA Worksheet	Public Works	FSA Calculator
	Name of Facility	Number of Inspections			
DPW Maintenance Facility		2	Inspection Form	DPW Staff	2x Annually
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths: The Litter Control Program continues to assist with the reduction of pollutants being discharged.</b>				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.4	Flood Control Projects				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.				
	Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.				
	Flood control projects completed during the reporting period	0	n/a		
	Flood control projects completed that did not include stormwater treatment	0	n/a		
	Stormwater retrofit projects planned/under construction	0	n/a		
	Stormwater retrofit projects completed	0	n/a		
	If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	<input type="checkbox"/>			
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.4 Summary	Strengths: No areas identified as needing improvement during inspection and maintenance of Town Facilities				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: None				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit Report the applicable facilities and the number of the inspections conducted for each facility.	Number of Inspections			
Part III.A.5 Summary	Name of Facility  N/A  Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. Strengths: N/A Limitations: N/A SWMP revisions implemented to address limitations: N/A				
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed. Report the number of permittee personnel who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.				
	PERSONNEL: FDACS public applicators of pesticides/herbicides CONTRACTORS: FDACS commercial applicators of pesticides/herbicides  PERSONNEL: Green Industry BMP Program training completed CONTRACTORS: FDACS certified / licensed applicators of fertilizer Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.	4 2 0 2	FDACS License FDACS License N/A FDACS License	FDACS FDACS  FDACS	DPW Staff Beach Environmental  CPM Services
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).	<input type="checkbox"/>			
	Public Education and Outreach Program  Brochures/Flyers/Fact sheets distributed Neighborhood presentations: Number conducted Neighborhood presentations: Number of participants Newspapers & newsletters: Number of articles/notices published Newsletters: Number of newsletters distributed Public displays (e.g., kiosks, storyboards, posters, etc.) Radio or television Public Service Announcements (PSAs)	6000 2 25-30 2 6000 1 0	Mailing List HOA Meetings HOA Meetings Mailing List Mailing List Pamphlets	Town Clerk DPW DPW Town Clerk Town Clerk Town Clerk	2x Annually Town Center Town Center Newsletter 2x Annually Town Center

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	School presentations: Number conducted School presentations: Number of participants Seminars/Workshops: Number conducted Seminars/Workshops: Number of participants Special events: Number conducted Special events: Number of participants Number of visitors to stormwater-related pages	0 0 0 0 0 0		Town Clerk	
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.7.a	<b>Strengths:</b> Continue to ensure proper training and display of educational materials <b>Limitations:</b> none <b>SWMP revisions implemented to address limitations:</b> n/a				
	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b> Report amendments in Year 4.				
Part III.A.7.c	Year 4 ONLY: Attach a report on amendments to applicable legal authority <input type="checkbox"/> N/A N/A N/A				
	<b>Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal</b> Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges  Illicit discharges found during a proactive inspection	11  9	Code Inspection Reports Code Inspection Reports	Code Inspection DPW Code Inspection	Routine Inspection Inspection Report
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Code Inspection Reports	Code Inspection	Inspection Report
	Report on the reactive investigation program as it relates to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Reports of suspected illicit discharges received	11	Code Inspection Reports	Code Inspection	Inspection Report
	Reactive investigations of reports of suspected illicit discharges etc.	11	Code Inspection Reports	Code Inspection	Inspection Report
	Illicit discharges etc. found during reactive investigation	9	Code Inspection Reports	Code Inspection	Inspection Report



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	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	6	Code Inspection Reports	Code Inspection	Inspection Report
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	3	3	Sign In Sheet	NPBCID
	Contractors trained	2	2	Sign In Sheet	NPBCID
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Report on the spill prevention and response activities, including the number of spills addressed.				
	Hazardous and non-hazardous material spills responded to	0	N/A	N/A	
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	3	3	Sign In Sheet	NPBCID
	Contractors trained	2	2	Sign In Sheet	NPBCID
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	<p><b>Public Education and Outreach Program</b></p> <p>Brochures/Flyers/Fact sheets distributed                      Neighborhood presentations: Number conducted                      Neighborhood presentations: Number of participants                      Newspapers &amp; newsletters: Number of articles/notices published                      Newsletters: Number of newsletters distributed                      Public displays (e.g., kiosks, storyboards, posters, etc.)                      Radio or television Public Service Announcements (PSAs)                      School presentations: Number conducted                      School presentations: Number of participants                      Seminars/Workshops: Number conducted                      Seminars/Workshops: Number of participants                      Special events: Number conducted                      Special events: Number of participants                      Number of visitors to stormwater-related pages</p>	<p>6000 2 25-30 2 6000 1 Kiosk 0 0 0 0 0 0</p>	<p>Mailing List HOA Meetings HOA Meetings Mailing List Mailing List Pamphlets</p>	<p>Town Clerk DPW DPW Town Clerk Town Clerk Town Clerk</p>	<p>2x Annually Town Center Town Center Newsletter 2x Annually Town Center</p>
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control	845	Town Website	Town Clerk	Website
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the				

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A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p>proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).</p> <p><b>Public Education and Outreach Program</b></p> <ul style="list-style-type: none"> <li>Brochures/Flyers/Fact sheets distributed</li> <li>Neighborhood presentations: Number conducted</li> <li>Neighborhood presentations: Number of participants</li> <li>Newspapers &amp; newsletters: Number of articles/notices published</li> <li>Newsletters: Number of newsletters distributed</li> <li>Public displays (e.g., kiosks, storyboards, posters, etc.)</li> <li>Radio or television Public Service Announcements (PSAs)</li> <li>School presentations: Number conducted</li> <li>Seminars/Workshops: Number of participants</li> <li>Seminars/Workshops: Number of participants</li> <li>Special events: Number conducted</li> <li>Special events: Number of participants</li> <li>Storm sewer inlets newly marked/replaced</li> <li>Number of visitors to stormwater-related pages</li> </ul>	<p>6000</p> <p>2</p> <p>25-30</p> <p>2</p> <p>6000</p> <p>1 Kiosk</p>	<p>Mailing List</p> <p>HOA Meetings</p> <p>HOA Meetings</p> <p>Mailing List</p> <p>Mailing List</p> <p>Pamphlets</p>	<p>Town Clerk</p> <p>DPW</p> <p>DPW</p> <p>Town Clerk</p> <p>Town Clerk</p> <p>Town Clerk</p>	<p>2x Annually</p> <p>Town Center</p> <p>Town Center</p> <p>Newsletter</p> <p>2x Annually</p> <p>Town Center</p>
<b>Part III.A.7.g</b>	<b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b>	845	Town Website	Town Clerk	Website
	<p>Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow / infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. Report only the SSOs and inflow / infiltration incidents into the IMS4.</p>				
	<p><b>Owner of the sanitary sewer system</b></p> <p><b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b></p> <p><b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b></p> <p><b>SSO incidents discovered</b></p>	<p>Seacoast Utility Authority (SUA) Loxahatchee River District (LRD)</p> <p>0/13,000</p> <p>0/40</p> <p>0/26</p>	<p>On File at Utility Provider office</p> <p>On File at Utility Provider office</p> <p>On File at Utility Provider office</p>	<p>SUA/LRD</p> <p>SUA/LRD</p> <p>SUA/LRD</p>	<p>Quantity for entire LRD, records not separated by municipality</p> <p>Quantity for entire LRD, records not separated by municipality</p> <p>Quantity for entire LRD, records not separated by municipality</p>

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	SSO incidents resolved	0/26	On File at Utility Provider office	SUA/LRD	separated by municipality Quantity for entire LRD, records not separated by municipality
	Inflow / infiltration incidents discovered Inflow / infiltration incidents resolved	0/0 0/0	n/a n/a	SUA/LRD SUA/LRD	
Part III.A.7 Summary	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths: Continued training and education helps maintain knowledge of system</b>				
	<b>Limitations: None</b>				
	<b>SWMP Revisions implemented to address limitations: n/a</b>				
Part III.A.8.a	<b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b>				
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.				
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.				
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions	
	Operating municipal landfills	0	N/A	N/A	
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	1	2	N/A	DPW
	EPCRA Title III, Section 313 facilities (TRI)	0	0	N/A	No EPCRA Title III
	Facilities determined as high risk by the permittee	0	0	N/A	
Part III.A.8.b	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>				
	Report the number of high risk facilities sampled.				
	High risk facilities sampled	0	N/A		No High Risk sites in Town

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: Routine inspections increase chance of eliminating pollutants Limitations: None SWMP revisions implemented to address limitations: N/A				
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.  PERMITTEE SITES: Construction site plans reviewed PERMITTEE SITES: Construction site plans approved PRIVATE SITES: Construction site plans reviewed PRIVATE SITES: Construction site plans approved Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.	2 1 13 9	Comment Letter Approval Letter Comment Letter Approval Letter	Consultant Consultant Consultant Consultant	
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.  Notified of ERP stormwater permit requirements Confirmed ERP coverage Notified of CGP stormwater permit requirements Confirmed CGP coverage	13 1 13 2	Approval Letter Approval Letter Approval Letter Approval Letter	Consultant Consultant Consultant Consultant	Only 1 project required ERP Only 2 projects required CGP
Part III.A.9.c	Construction Site Runoff — Site Operator Training Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).  PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs PERMITTEE SITES: Percentage of active construction sites inspected PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs PRIVATE SITES: Percentage of active construction sites inspected Enforcement Action	0 0 0 8 24 100 0		Consultant	

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Permittee construction site inspectors	Certification 3	Sign In Sheet	NPBCID	
	Permittee construction site plan reviewers		Sign In Sheet	NPBCID	
	Permittee construction site operators	1			
Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
<b>Part III.A.9 Summary</b>					
Strengths: Routine Training increases reductions in pollutants					
Limitations: none					
SWMP revisions implemented to address limitations: N/A					

**SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)**

A.	Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.
		N/A
		N/A
		N/A
B.	Permit Citation/ SWMP Element	Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)
		N/A
		N/A
		N/A

**SECTION IX. TMDL Status Report**

YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.

WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP
			<input type="checkbox"/> / <input type="checkbox"/>					
			<input type="checkbox"/> / <input type="checkbox"/>					

YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented.

Year 3: Submit a Monitoring data summary or BPCP (if applicable).

Year 4: Submit a Supplemental SWMP (if applicable).

WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date
N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)	

Provide a brief statement as to the status of TMDL implementation according to Part VIII.B of the permit (e.g. status of monitoring to validate WLA):

No discharge to a TMDL WBID at time of permit issuance.



**TOWN OF JUNO BEACH**  
**PLANNING AND ZONING DEPARTMENT**  
340 OCEAN DRIVE  
JUNO BEACH, FL 33408  
PHONE: 561.626.1122 • FAX: 561.775.0812  
WEBSITE: [www.juno-beach.fl.us](http://www.juno-beach.fl.us)

August 14, 2019

Mr. Anthony Meriano  
Director of Public Works  
Town of Juno Beach  
340 Ocean Drive  
Juno Beach, FL 33408

Re: Town of Juno Beach NPDES MS4 Permit -Annual Report

Dear Mr. Meriano:

In accordance with the NPDES MS4 Cycle 4 permit, please use the attached Reducing Stormwater Impacts – Summary of Current Code Aimed at Low Impact Development report as the Town's formal review of the Comprehensive Development Plan and local codes aimed at reducing the impact of stormwater discharges from new development/redevelopment.

The Town's current Code of Ordinance promotes:

- Reduction in impervious surfaces;
- The use of swales;
- The incorporation of low impact development principles;
- Reduction in flow and volume of stormwater;
- Increase in natural hydrology, and
- Adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping.

After review of the Town's current requirements, no additional techniques are recommended.

Should you have any questions, please do not hesitate to contact me at 5661-656-0312 or at [fdavila@juno-beach.fl.us](mailto:fdavila@juno-beach.fl.us).

Sincerely,

*Frank Davila*

Director of Planning and Zoning

Copy:  
Phillip "Tad" Rowe, P.E.

Attachment:  
Reducing Stormwater Impacts -Summary of Current Code Aimed at Low Impact Development.



**REDUCING STORMWATER IMPACTS-  
SUMMARY OF CURRENT CODE AIMED  
AT LOW IMPACT DEVELOPMENT**

**March 2019**



## **Introduction**

The definition of Low Impact Development “is a stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation, and transpiration by emphasizing conservation, use of on-site natural features, site planning, and distributed stormwater management practices that are integrated into a project design.” (Integrating LID into Local Codes: A Guidebook for Local Governments, prepared by AHBL for the Puget Sound Partnership, Final Draft, November 2011)

The Town of Juno Beach’s current Code of Ordinances was reviewed to show the Town’s practices to reduce stormwater impacts of new development and areas of significant development. The Town of Juno Beach Code of Ordinances includes the Charter, and Code of Ordinances. As discussed in the MS4 Permitting Resource Manual, the Code promotes:

- reductions in impervious surfaces,
- the use of swales,
- the incorporation of low impact development principles,
- reduction in flow and volume of stormwater,
- increase in natural hydrology, and
- adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping.

## **Landscape Open Space Requirements**

The Town of Juno Beach requires landscape open space calculations as part of the Building Permit Application. The Ordinances references are Ord. No.207, 4.15, 8-8-1979; Ord. No. 371, 7-19-1989; Ord. No. 421, 2-19-1992; Ord. No. 466, 12-14-1994; Ord. No. 485, 9-4-1996). The landscape open space is the total amount of lot coverage area plus impervious area divided by the total area of the lot.

The land surfaces which do not allow the penetration of water including paved roads, sidewalks, driveways, parking lots and highly compacted areas including shell and clay which prevents or severely restricts the natural percolation of water from the surface of the ground to the water table is considered impervious; the percentage of the total area of a lot covered or occupied by the buildings or any part of the buildings, excluding therefrom any projections which are permitted by the Code to extend into yard areas is considered lot coverage. All open space which is covered and maintained with vegetation as required in the definition of landscaping is considered landscaped open space; any of the following or combination thereof: materials such as, but not limited to, grass, ground covers, shrubs, vines, hedges, trees or palms, and other materials such as rocks, pebbles, sand, wall or fences are considered landscaping.

Each zoning district and use has a minimum landscaped open space. The minimum for each zoning district is as follows:

DISTRICTS	USE	LANDSCAPED OPEN SPACE (%)
RS-1,2,3,4,5, HIST-S, HIST-Z, HIST-B, R-DUP,	Single-family	25%
RM-1	Single-family	25%
	Two-family	20%
	Townhouse	20%
	Multiple-family	20%
RM-2, RH, RM-00,	Single-family	20%
	Two-family	20%
	Townhouse	15%
	Multiple-family	15%
RMT	Single-family	20%
	Two-family	20%
	Townhouse	15%
	Multiple-family	15%
	Transient facility	15%
RV PARK	RV park	15%
	Individual lots	5 foot side setbacks shall be preserved as permeable surfaces to provide for drainage.
MH	Individual lots	20%
CG, UTL, GOV, INS	All permitted uses	15%
CO	All permitted uses	10%
REC-PRIV	All permitted uses	95%

The construction or improvement on a lot shall not fall below the minimum landscaped open space requirement. In addition, each zoning district has a maximum lot coverage area that cannot be exceeded. For example, Residential Single-family (RS-1) has a maximum lot coverage area of 35%.

With water retention facilities, the maximum lot coverage area for each zoning district is as follows:

DISTRICTS	USE	LOT COVERAGE (%)
RS-1,2,3,4,5, HIST-S, HIST-Z, HIST-B, R-DUP,	Single-family, Two-family	35%
RM-1	Single-family	35%
	Two-family	35%
	Townhouse	40%
	Multiple-family	40%
RM-2, RH, RM-00,	Single-family	35%
	Two-family	35%
	Townhouse	50%
	Multiple-family	50%
RMT	Single-family	35%
	Two-family	35%
	Townhouse	50%
	Multiple-family	50%
	Transient facility	50%
RV PARK	Individual lots	60%
MH	All permitted uses	75%
CG	All permitted uses	40%
CO, INS	All permitted uses	50%
REC-PRIV	All permitted uses	5%
ULT, GOV	All permitted uses	60%

Drainage facilities must be designed to provide protection of the building finish floor elevation up to the 100 year 3 day storm stage and provide water quality treatment prior to discharge from the site pursuant to current South Florida Water Management District rules and regulations (Chapters 40E-0, 40E-1, 40E-4, 40E-40, 40E-41 and 40E-400, F.A.C.). The maximum impervious surface ratio shall not be exceeded unless a variance is approved.

### **Landscaping**

The Town of Juno Beach requires a percentage of Native Landscaping for new development. The current requirements for landscaping are discussed in the Zoning Chapter of the Town of Juno Beach Code of Ordinances. Currently, native vegetation and xeriscape is encouraged within the Town of Juno Beach. Division 7 Landscaping Requirements states the following:

Section 34-1079. Purpose and intent.

The purpose and intent of this division is to protect, preserve, and enhance the natural environment and beauty of the town by creating minimum standards for landscaping and vegetation protection. Landscaping that meets these standards will:

- (1) Improve the aesthetic appearance of the town.
- (2) Improve air and water quality by such natural processes as transpiration and the maintenance of permeable land areas for aquifer recharge and surface water filtration.
- (3) Reduce noise and pollution through the filtering and buffering capacity of living trees and vegetation.
- (4) Promote energy conservation through:
  - a. The creation of shade which reduces heat gain in or on buildings and paved areas; and
  - b. The channeling and control of breezes to facilitate the natural cooling of buildings.
- (5) Reduce erosion by stabilizing the soil.
- (6) Provide habitat for wildlife.
- (7) Conserve freshwater resources through the use of drought-tolerant plants.
- (8) Provide a visual buffer between otherwise incompatible types of land uses.
- (9) Increase land values by requiring landscaping in developments, thereby becoming a capital asset.
- (10) Provide direct physical and psychological benefits to humans by reducing noise and glare in addition to breaking up the visual monotony and softening the perception of an urban environment.
- (11) Promote innovative and cost-conscious approach to design, installation and maintenance of landscaping, and encourage water and energy conservation.
- (12) Require the removal of nuisance vegetation to ensure preservation of protected or native vegetation and encourage no disruption of native ecosystems.
- (13) Provide for the public health, safety and welfare.

Section 34-1084.-Landscape requirements.

(a) In keeping with the purpose and intent of this division, the following general requirements shall apply in all zoning districts in the town.

(b) A graphic survey of existing vegetation, delineating all viable native vegetation and all trees greater than four inches in diameter (caliper) at four feet above ground, shall be submitted. Such graphic survey shall be prepared by a landscape architect or land surveyor registered in the state and be of the same scale as the landscape plan.

(c) Reasonable requirements for the preservation of outstanding natural and cultural features shall be required. These features include trees with trunks larger than eight inches in diameter measuring four feet above the ground, groves, watercourses, historic sites, and similar irreplaceable assets in which there is public interest.

(d) All new trees shall be located so as to provide unrestricted flow or access to drainage swales or utility easements. Vegetation in easements and rights-of-way must have appropriate utility company and agency approval. In addition, the height of damage-prone trees shall be limited along hurricane evacuation routes.

(e) New trees shall meet the specifications as set forth in section 34-1088(f).

(f) Trees shall be hardy and suitable to local soil and climate.

(g) The use of native vegetation plantings shall be maximized, and at a minimum all plant materials of each type, including trees, shrubs and ground cover, shall be at least 50 percent native. In addition, xeriscape principles shall be utilized in all landscape designs and installations (see section 34-1088(a)).

(h) Existing native vegetation shall be preserved to the maximum extent practicable. The town encourages applicants to make all native vegetation to be removed from the site available, either by fee or donation, to the town and its residents for reuse. The developer shall notify the town three weeks prior to vegetation removal, so that the town may notify residents by notice at town hall and phone message of such vegetation availability. Upon such notice residents shall have two weeks to contact the developer regarding removal of native vegetation.

(i) The type and location of landscaping shall take into consideration the preservation of native vegetation areas, and the director may make exceptions to the regulations in this division to ensure the preservation of such native vegetation areas.

(j) All conditions and requirements of the Environmentally Sensitive Lands Ordinance, article IV, division 14 of this chapter, and section 34-1123 shall be complied with.

(k) Changing 30 percent or more of all trees and shrubs on a site from the originally approved landscape plan shall require submittal of a new plan showing new plant types and locations to the planning and zoning department for review and approval.

(l) The public works, planning and zoning, and code compliance departments shall be responsible for managing the town's tree planting program. The public works department shall be responsible for the care and maintenance of trees present on town-owned property.

## **Swales**

Currently the Town of Juno Beach has five sections that deal with the design requirements for swales in the Town of Juno Beach Code of Ordinances. It is as follows:

### Subdivision & Platting Regulations, Section 15.10.10 – Swale and Swale Grades.

Swales within the right-of-way shall not exceed those shown in the current Town standards. Runoff may be accumulated and carried in the swales guttered locations in the right-of-way along streets in accordance with the maximum flood lines shown in the current Town standards. Water in excess of these quantities shall not be carried in the street swale or guttered in the right-of-way, but shall instead be diverted therefrom and carried away in storm sewers.

### Sec. 34-1080. - Landscape plan submission and approval.(a)(3)

A single-family dwelling and a duplex shall be exempt from all provisions of this division with the exception of those regulations pertaining to swales and visibility at intersections, maintenance of rights-of-way, irrigation restrictions and automatic rain switches required on all new irrigation systems, and those properties greater than four acres in area which must adhere to the Environmentally Sensitive Lands Ordinance.

### Sec. 34-1084. - Landscape requirements.(d)

All new trees shall be located so as to provide unrestricted flow or access to drainage swales or utility easements. Vegetation in easements and rights-of-way must have appropriate utility company and agency approval. In addition, the height of damage-prone trees shall be limited along hurricane evacuation routes.

### Sec. 34-1088. - Design, installation, maintenance, irrigation and plant material standards.(i)

Grass areas shall be planted in species normally grown as permanent lawns in the county. Grass areas may be sodded, plugged, sprigged or seeded except that solid sod shall be used in swales or other areas subject to erosion. In areas where other than solid sod or grass seed is used between the months of October and March, nursegrass seed shall be sown for immediate effect and protection until coverage is otherwise achieved.

### Sec. 34-1307. - Landscaping of streets.(4)

All swale areas shall be sodded and graded to drainage standards acceptable to the town engineer and other right-of-way agencies, if applicable.

## **Tree Protection**

The Town of Juno Beach Code of Ordinances defines a tree as a woody plant having a height of not less than 12 feet and a canopy spread of not less than ten feet, and a clear trunk of not less than six feet at the time of planting. The following Code Sections promote tree protection:

Section 34-1079. Purpose and intent.

Require the removal of nuisance vegetation to ensure preservation of protected or native vegetation and encourage no disruption of native ecosystems.

Sec. 34-1086. Protection of trees and other vegetation to be preserved on site.

Trees and other vegetation which are to be preserved on a site shall be protected from damage during the construction process according to appropriate tree and vegetation protection techniques. The Tree Protection Manual for Builders and Developers, published by the state division of forestry, department of agriculture and consumer services, shall be the standard for determining the appropriateness of proposed techniques for tree protection. All vegetation areas shall be fenced off with screening to prevent any damage. All trees and vegetation which are to be preserved and do not survive shall be replaced by a plant or tree of equal size, or an equivalent number of trees based on trunk diameter.

Sec. 34-1088. Design, installation, maintenance, irrigation and plant material standards.(c)(3)

Landscaping may be inspected as needed, to ensure that the standards established in this section are maintained. The owner, tenant or his agent shall be notified in writing via certified mail by the town of any areas which are not being properly maintained and shall, within 30 calendar days from time of notification, address and rectify the deficiency.

Sec. 18-31. Damaging or removing trees, shrubbery, lawns.

No person in a park shall damage, cut, carve, transplant or remove any tree or plant or injure the bark, or pick the flowers or seeds of any tree or plant. Nor shall any person attach any rope, wire or other contrivance to any tree or plant. A person shall not dig in or walk upon or otherwise disturb grass areas or planted areas which have been posted with "No Trespassing," "Keep Off the Grass," or "Do Not Walk on the Grass" signs, or in any other way injure or impair the natural beauty or usefulness of any area.

It is the Town's practice that a professional arborist recognized and certified by the International Society of Arboriculture (ISA) as an ISA certified arborist municipal specialist or an ISA certified arborist makes the determination if the tree is dying or dead.

**Stormwater Control**

The following Sections of Article VI. Stormwater Control demonstrates the practices used by the Town:

Sec. 32-189. - Purpose; definitions.

(a) *Purpose and intent.* The purpose of this article is to promote the health, safety and general welfare of the inhabitants of the town. This article is intended to comply with federal and state laws and regulations regarding water quality.

(b) *Definitions.* The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this subsection, except where the context clearly indicates a different meaning:

*Authorized official* means the director and any employee or agent of the town authorized in writing by the director to administer or enforce the provisions of this article.

*Director* means the director of public works.

*Discharge* means any direct or indirect entry of any solid, liquid or gaseous matter.

*Site of industrial activity* means any area or facility used for manufacturing, processing or raw materials storage, as defined under 40 CFR 122.26(a)(14) of regulations of the U.S. Environmental Protection Agency, as amended.

*Stormwater* means any stormwater runoff, and surface runoff and drainage.

*Stormwater system* means the system of conveyances owned by the town and used for collection, storing, and transporting stormwater but not including any facilities intended to be used in accordance with applicable law for collection and transporting of sanitary or other wastewater.

Sec. 32-190. - Industrial activity.

(a) *General prohibitions.* Any discharge into the stormwater system in violation of any federal, state, county, municipal or other law, rule, regulation or permit is prohibited.

(b) *Specific prohibitions.* By adoption of industrial activity stormwater regulations or by issuance of industrial activity stormwater permits, or both, the director may impose reasonable limitations as to the quality of stormwater (including, without limitation, the designation of maximum levels of pollutants) discharged into the stormwater system from sites of industrial activity. Any promulgation of such regulations and issuance of permits by the director shall be in accordance with applicable law.

(c) *Administrative orders.* The director may issue an order to any person to immediately cease any discharge determined by the director to be in violation of any provision of this article, or in violation of any regulation or permit issued hereunder.

(d) *NPDES permits.* Any person who holds a national pollutant discharge elimination system (NPDES) permit shall provide a copy of such permit to the director no later than 60 calendar days after the issuance of such permit.

Sec. 32-191. - Illicit discharges.

(a) *General prohibitions.* Except as set forth under subsection (c) of this section or as in accordance with a valid NPDES permit, any discharge to the stormwater system that is not composed entirely of stormwater is prohibited.



(b) *Specific prohibitions.* Any discharge to the stormwater system containing any sewage, industrial waste or other waste materials, or containing any materials in violation of federal, state, county, municipal, or other laws, rules, regulations, order or permits, is prohibited.

(c) *Authorized exceptions.* Unless the director determines that it is not properly managed or otherwise is not acceptable, the following discharges are exempt from the general prohibition set forth under subsection (a) of this section: Flows from firefighting, water line flushing and other contributions from potable water sources, landscape irrigation and lawn watering, irrigation water, diverted stream flows, rising groundwaters, direct infiltration to the stormwater system, uncontaminated pumped groundwater, foundation and footing drains, water from crawl space pumps, air conditioning condensation, springs, individual residential car washing, flows from riparian habitats and wetlands, and dechlorinated swimming pool contributions.

(d) *Illicit connections.* No person may maintain, use or establish any direct or indirect connection to the stormwater system that results in any discharge in violation of this article. This prohibition is retroactive and applies to connections made prior to the effective date of the ordinance from which this article is derived, regardless of whether made under a permit, or other authorization, or whether permissible under laws or practices applicable or prevailing at the time the connection was made.

(e) *Notification of spills.* As soon as any person has knowledge of any discharge to the stormwater system in violation of this article, such person shall immediately notify the director by telephone and if such person is directly or indirectly responsible for such discharge, then such person shall also take immediate action to ensure the containment and clean up of such discharge and shall confirm such telephone notification in writing to the director within three calendar days. Such telephone and written notice shall be to the town's general telephone number and address then in use.

(f) *Administrative order.* The director may issue an order to any person to immediately cease any discharge or any connection to the stormwater system determined by the director to be in violation of any provision of this article, or in violation of any regulation or permit issued hereunder.

#### Sec. 32-192. - Enforcement.

(a) *Injunctive relief.* The town may seek injunctive relief to prevent any violation of any provision of this article, or of any regulation or order issued hereunder, if necessary to protect the public health, safety or general welfare.

(b) *Continuing violation.* A person shall be deemed guilty of a separate violation for each and every day during any continuing violation of any provision of this article, or of any regulation or permit issued hereunder.

(c) *Enforcement actions.* The director may take all actions necessary, including the issuance of notices of violation, the filing of court actions and/or referral of the matter to

the local code enforcement board to require and enforce compliance with the provisions of this article and with any regulation or permit issued hereunder.

**Sec. 32-193. - Inspections and monitoring.**

(a) *Authority for inspections.* Whenever necessary to make an inspection to enforce any of the provisions of this article, or regulation or permit issued hereunder, or whenever an authorized official has reasonable cause to believe there exists any condition constituting a violation of any of the provisions of this article, or regulation or permit issued hereunder, any authorized official may enter any property, building or facility at any reasonable time to inspect the same or to perform any duty related to enforcement of the provisions of this article or any regulations or permits issued hereunder; provided that:

(1) If such property, building or facility is occupied, such authorized official shall first present proper credentials and request permission to enter; and

(2) If such property, building or facility is unoccupied, such authorized official shall make a reasonable effort to locate the owner or other person having charge or control of the property, building or facility, and shall request permission to enter.

Any request for permission to enter made hereunder shall state that the owner or person in control has the right to refuse entry, and that in such event that entry is refused, the authorized official may enter to make inspection only upon issuance of a search warrant by a duly authorized magistrate. If the owner or person in control refuses permission to enter after such request has been made, the authorized official is hereby authorized to seek assistance from any court of competent jurisdiction in obtaining entry. Routine or areawide inspections shall be based upon such reasonable selection processes as may be necessary to carry out the purposes of this article, including but not limited to random sampling and sampling in areas with evidence of stormwater contamination, nonstormwater discharges, or similar factors.

(b) *Authority for monitoring and sampling.* Any authorized official may establish on any property such devices as are necessary to conduct sampling or metering of discharges to the stormwater system. During any inspection made to enforce the provisions of this article, or regulations or permits issued hereunder, any authorized official may take any samples deemed necessary.

(c) *Requirements for monitoring.* The director may require any person engaging in any activity or owning any property, building or facility, including but not limited to a site of industrial activity, to undertake such reasonable monitoring of any discharge to the stormwater system and to furnish periodic reports.

**Conclusion/Recommendations:**

A review of the Town's current Code of Ordinances with respect to new development and redevelopment within the Town has determined that no changes are necessary at this time. The Town will continue to monitor land development regulations and local codes with regard to future improvements.